| Index of Claims   |  |                   |          |          |          |                        | Application No. |                 |             |         |                                       |                        |            |                 |                  |          | Applicant(s)       |           |          |         |   |  |  |
|---|--|-------------------|----------|----------|----------|------------------------|-----------------|-----------------|-------------|---------|---------------------------------------|------------------------|------------|-----------------|------------------|----------|--------------------|-----------|----------|---------|---|--|--|
| Index of Claims   |  |                   |          |          |          | 00/062 974             |                 |                 |             |         |                                       |                        |            |                 |                  |          |                    |           |          |         |   |  |  |
|   |  |                   |          |          |          | 09/963,874<br>Examiner |                 |                 |             |         |                                       |                        |            |                 | JAYARAMAN ET AL. |          |                    |           |          |         |   |  |  |
|   |  |                   |          |          |          | Examiner               |                 |                 |             |         |                                       |                        |            |                 | Art Unit         |          |                    |           |          |         |   |  |  |
| I CERTIT BEITH COTTO OTTO OTTO ATTICI METIT SERIO OTHI 1981 |  |                   |          |          |          |                        | Henry K Choe    |                 |             |         |                                       |                        |            |                 |                  | 17       |                    |           |          |         |   |  |  |
|   | -  |                   |          |          |          |                        |                 | •               |             |         |                                       |                        |            |                 |                  |          |                    |           |          |         |   |  |  |
|   |  | (Through numera   |          |          |          |                        | 7               | П               | N n-Elect d |         |                                       |                        | 1          | П               | A                |          |                    |           |          |         |   |  |  |
| √ R jed   | cted   -   | 1                 |          | incelle  |          | _,                     |                 | N               | N           | n-E     | ilec                                  | t d                    |            | A               | Appeal           |          |                    |           | ı        |         |   |  |  |
|   |  | + Restricted      |          |          |          |                        | 7               |                 |             |         |                                       |                        |            |                 | Oblasti          |          |                    |           |          |         |   |  |  |
| = Allov   | wed +  | 1                 | Re       | stricte  | ∌d       |                        | i Interfe       |                 |             |         |                                       | ence O                 |            |                 | Objected         |          |                    |           |          |         |   |  |  |
|   |  |                   |          |          |          |                        |                 |                 |             |         |                                       |                        |            |                 |                  |          |                    |           |          |         | _ |  |  |
| Claim 0   | Date   | Claim             |          |          | _        |                        | Date            | ate             |             |         | ].                                    | a                      | Claim      |                 | Date             |          |                    |           |          |         | ] |  |  |
|   |  |                   | _        | 룡        |          |                        |                 |                 |             |         | : -                                   | _                      | ह्य        | 11              |                  |          |                    |           |          |         |   |  |  |
| Final Original  |  | 1.                | Final    | Original |          |                        |                 |                 |             |         |                                       | Final                  | Original   | Н               |                  |          |                    |           |          | -       |   |  |  |
| - 0 1   |  | Ш                 |          |          |          |                        |                 | Ш               | ᆚ           | ┸       | ╛                                     |                        |            | Ш               | ┸                |          |                    |           |          |         |   |  |  |
|   |  | Щ                 |          | 51       | $\perp$  | $\sqcup$               | 4               | $\sqcup$        | +           | -       | 4                                     | <u> </u>               | 101        | $\vdash \vdash$ | 4                | ╄        | _                  | Ш         | Ц        | _       | 4 |  |  |
|   | <del></del>  | H                 | $\vdash$ | 52<br>53 | +-       | $\vdash$               | +-              | $\vdash$        | $\dashv$    | ╁       | -                                     | -                      | 102        | ┝╌┼╴            | +                | ╁        | ┼-                 | Н         | $\dashv$ |         | 1 |  |  |
|   | <del>-   -   -   -   -   -   -   -   -   -  </del> | +                 | Н        | 54       | +        | $\vdash$               | +-              | H               | +           | +       | 1                                     |                        | 104        | ╁┼              | +                | +-       | ┼-                 | H         | Н        | +       | 1 |  |  |
| (5)0  |  |                   |          | 55       |          |                        |                 |                 | 土           |         | ]                                     |                        | 105        |                 |                  |          |                    |           |          |         | 1 |  |  |
| 6/1   |  | П                 |          | 56       | $\Box$   | $\Box$                 |                 | Ц               | $\perp$     | $\perp$ | 4                                     |                        | 106        | $\sqcup \bot$   |                  | 1        | <u> </u>           | Ц         |          |         | ] |  |  |
| 7 11 1  | <del>- - - - -</del>                               | 1                 |          | 57       | ╄        | -                      | +               | $\vdash \vdash$ | +           | ╁       | 4                                     |                        | 107<br>108 | ⊢⊦              | ╬                | ┼        | ⊢                  | ╌┤        | -        | +       | 4 |  |  |
| 8 9   | <del> -   -</del>                                  | ╂╾┨               | $\vdash$ | 58<br>59 | ┿        | +                      | ╅┥              | ┝               | +           | ╁       | ┨╷                                    | <u> </u>               | 109        | H               | +                | +-       | ╁                  | Н         | $\dashv$ |         | - |  |  |
| 10  | <del>-   -   -   -   -   -   -   -   -   -  </del> | $\forall$         | Н        | 60       | +        | $\vdash$               | +-              | $\vdash$        | $\top$      | $\top$  | ┥.                                    |                        | 110        | $\vdash$        | ╅                | +        | 1                  | Н         | -        | +       | 1 |  |  |
| 11  |  |                   |          | 61       |          |                        |                 |                 |             |         | ֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ |                        | 111        |                 |                  |          |                    |           |          |         | 1 |  |  |
| 12  |  | $\square$         |          | 62       |          | 4                      | $\perp$         |                 | 4           | 1       | ] "                                   |                        | 112        | $\sqcup$        |                  |          | _                  | Ш         | $\Box$   |         | ] |  |  |
| 13  |  | +                 |          | 63<br>64 | ╀        |                        | +               | $\vdash$        | ┽           | ┿       | - 1                                   |                        | 113<br>114 | ┝╌┼╴            | +                | ╀        | ┝                  | ┞╌┨       | $\dashv$ | -       | 4 |  |  |
| 14  | <del>-   -   -   -  </del>                         | -                 | +        | 65       | +        | +                      | +               | $\vdash$        | +           | ╁╴      | ۱.                                    | -                      | 115        | $\vdash$        | +                | ╁╌       | ┼                  | $\vdash$  | $\dashv$ | +       | 1 |  |  |
| 16  |  |                   |          | 66       |          |                        |                 |                 |             | 土       | ] :                                   |                        | 116        |                 | 士                | T        |                    |           |          |         | ] |  |  |
| 0   |  | $\prod_{i=1}^{n}$ | Ш        | 67       |          | П                      | $\Box$          |                 | _           | 1       |                                       |                        | 117        | $\perp$         | $\bot$           | ┖        | <u>L</u>           | Ш         | 4        |         | ] |  |  |
| 18 O  |  | $\square$         | $\vdash$ | 68<br>69 | ╀┤       |                        | +-              |                 | +           | ╁       | <u> </u>                              | <b> </b>               | 118<br>119 | +               | ╀                | ╁        | $\vdash$           | ┞╾┤       | $\dashv$ | -       | 4 |  |  |
| 12/10/11  | <del>                                     </del>   | H                 | $\vdash$ | 70       | $\vdash$ | +                      | +               |                 | +           | +-      | ∰.                                    |                        | 120        |                 | +                | +        | ├-                 | $\vdash$  | $\dashv$ | +       | 1 |  |  |
| 20 21 21  |  | $\Box$            |          | 71       | 上        | 工                      |                 |                 |             | 士       | ]~                                    |                        | 121        |                 |                  |          |                    |           |          |         | j |  |  |
| 22.   |  |                   |          | 72       | $\perp$  | $\perp$                | Ш               |                 | 4           | _       |                                       |                        | 122        | $\Box$          | 1                | L        | $ldsymbol{\sqcup}$ | Ш         | _        | _       | ] |  |  |
| 23-0  |  | H                 | $\vdash$ | 73<br>74 | +        | -                      |                 |                 | -           | +-      | <b>↓</b> ∶                            | <u> </u>               | 123<br>124 | $\dashv$        | +                | ╄        | $\vdash$           | ⊢         | -        | -       | - |  |  |
| 24.5  | <del>- - - -</del>                                 | Η.                | .        | 75       | +        | -                      | +               | $\dashv$        | ┰           | +       | ┨                                     |                        | 125        | +               | ╁                | +        | $\vdash$           | H         | -        | +       | 1 |  |  |
| - 35<br>(6) O   |  | H                 |          | 76       | T        | $\top$                 |                 | -               | ╅           | 十       | 1                                     |                        | 126        |                 | †                |          | П                  |           |          |         | 1 |  |  |
| 27 0  |  |                   |          | 77       |          | $\perp$                | П               | $\Box$          | Ţ           | Τ       | ]                                     |                        | 127        | I               | T                | $\Box$   | Д                  | П         | J        |         | l |  |  |
| 28 0  |  | Ш                 |          | 78       | $\vdash$ | 4                      | ╇               | _               | +           | ╀       | ╣.                                    | Щ                      | 128        | _               | +                | ╀        | Н                  | Н         | -        | +       | 4 |  |  |
| 29 O  | <del>-   -   -   -   -   -   -   -   -   -  </del> | H                 | $\vdash$ | 79<br>80 | +        | +                      | +               | $\dashv$        | +           | ┿       | ┨ .                                   | $\vdash$               | 129<br>130 | -               | ╁╌               | ╀        | Н                  | $\vdash$  | $\dashv$ | - -     | 1 |  |  |
| 30 1  | <del></del>  | Η.                |          | 81       | Н        | +                      | +               | _               | +           | +       | 1                                     | $\vdash$               | 131        | $\vdash$        | ╁╴               | T        | Н                  |           | +        | _       |   |  |  |
| 31 1/   |  |                   |          | 82       |          |                        |                 |                 | 1           |         | ]                                     |                        | 132        |                 | I                |          |                    |           | $\Box$   |         |   |  |  |
| 33 6  |  | Ш                 |          | 83       | Ш        | $\perp$                |                 | _               | +           | +       | ┨.                                    |                        | 133        | $\perp$         | 4-               | ↓_       | Ш                  | Н         | -        |         | ļ |  |  |
| 34 0  | <del></del>  | Н                 | $\vdash$ | 84<br>85 | $\vdash$ | -                      | +               | +               | +           | ╁       | -                                     | $\vdash$               | 134<br>135 | -               | +-               | ₽        | $\vdash$           | -         | +        | ┿       | ł |  |  |
| 35 Ø  | +  | $\vdash$          | ├──┤     | 86       | Н        | $\dashv$               | +               | $\dashv$        | +           | ╫       | 1                                     |                        | 136        | +               | ╁                | Н        | Н                  | $\dashv$  | +        | ╁       | 1 |  |  |
| 37   1/   |  |                   |          | 87       |          |                        |                 |                 |             | I       | 1                                     |                        | 137        |                 |                  |          |                    |           |          |         |   |  |  |
| 38   27   |  |                   |          | 88       | П        | $\Box$                 |                 | $\Box$          | _ _         | $\perp$ | ]                                     |                        | 138        | _               | 1_               |          | Ш                  | $\dashv$  | _        |         | ļ |  |  |
| 39 6  |  | $\vdash$          |          | 89       | $\vdash$ | +                      | +               | $\dashv$        |             | +-      | -                                     | $\vdash\vdash$         | 139        |                 | +                | $\vdash$ | Н                  |           | +        | -       |   |  |  |
| 40  | <del>-   -   -   -  </del>                         | H                 |          | 90<br>91 | ╁┼       | +                      | ╁┤              | +               | +           | +       | 1                                     | ┝┈╢                    | 141        | +               | +                | Н        | Н                  | -         | $\dashv$ | +       |   |  |  |
| 1 148 167 1 1   |  | ፟                 |          | 92       | 口        | 丁                      | <u>†</u> †      |                 | 丁           | 丁       | 1.                                    |                        | 142        | 丁               |                  |          |                    |           |          | 工       |   |  |  |
| 43/0  |  |                   |          | 93       |          | 工                      | П               |                 | 1           | T       | ]                                     |                        | 143        | $\perp$         | T                | $\Box$   |                    | $\square$ | Ţ        | $\perp$ |   |  |  |
| 44 0  | <u> </u>   | ┧.                | $\Box$   | 94       | $\sqcup$ | _ -                    | +               | -               | +           | +-      | 1                                     | $\vdash \vdash$        | 144        | +               | +                | $\vdash$ | Н                  | $\dashv$  | $\dashv$ | +       |   |  |  |
| 45 Q  | <del></del>  | $\vdash$          | $\vdash$ | 95<br>96 | $\vdash$ | - -                    | +               | $\dashv$        | +           | +       | ┨                                     | $\vdash\vdash\dashv$   | 145        | +               | +                | ╂╾┤      | Н                  | $\dashv$  | ┽        | +       |   |  |  |
| 40 0  | <del>╶┟╼</del> ├╼ <del>├</del> ╶                   | $\vdash$          | ├─┤      | 97       | ╅┩       | +                      | +               | +               | +           | $\top$  | 1                                     | $\vdash \vdash \vdash$ | 147        | 十               | +-               | ff       | H                  | $\dashv$  | +        | +       |   |  |  |
| 48  |  |                   |          | 98       | 口        |                        |                 | $\Box$          |             | $\perp$ | ].                                    |                        | 148        | 工               | I                |          | 口                  | $\Box$    | $\Box$   | $\perp$ |   |  |  |
| 49  |  | <b>Д</b> .        |          | 99       | $\Box$   |                        | +1              | -[              | 1           | +       | -                                     | <b>  </b>              | 149        | -               | ┼-               | $\vdash$ | Ц                  | $\dashv$  | 4        | +       |   |  |  |